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NPIC/R-65/64
January 1964

PHOTOGRAPHIC INTERPRETATION REPORT

SELECTED DOWN-RANGE INSTRUMENTATION SITES OF THE TYURATAM MISSILE TEST RANGE, USSR

CIA

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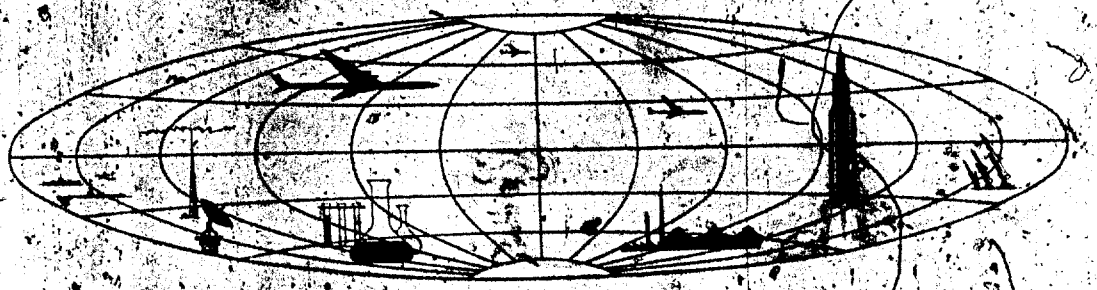
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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INTRODUCTION

In answer to several NSA requirements, this report furnishes actual locations and as detailed a study as possible of instrumentation and associated facilities at selected down-range instrumentation sites of the Tyuratam Missile Test Range (TTMTR). These sites are designated as outstations C07B, C07C, C08B, C08C, C09B, C12D, C12E, and a presently unidentified site formerly designated as C12B. The designators will be used in this report. Also included in the requirements were outstations C09C and C12C, which could not be identified within a 30-nautical-mile (nm) radius of the given locations.

Although any overall changes in the facilities at the various outstations could be determined, it was not possible to identify either the FLIM FLAM "signature" or any specific types of instrumentation or communications because of the small scale or poor quality of the photography. Also, for the same reasons, all measurements are approximate.

OUTSTATION C07B

TTMTR Outstation C07B is located at 46-55N 63-25E, approximately 60 nm north of Tyuratam Missile Test Center (TTMTC) Launch Complex A (Figure 1). It consists of an instrumentation/communications area, a support

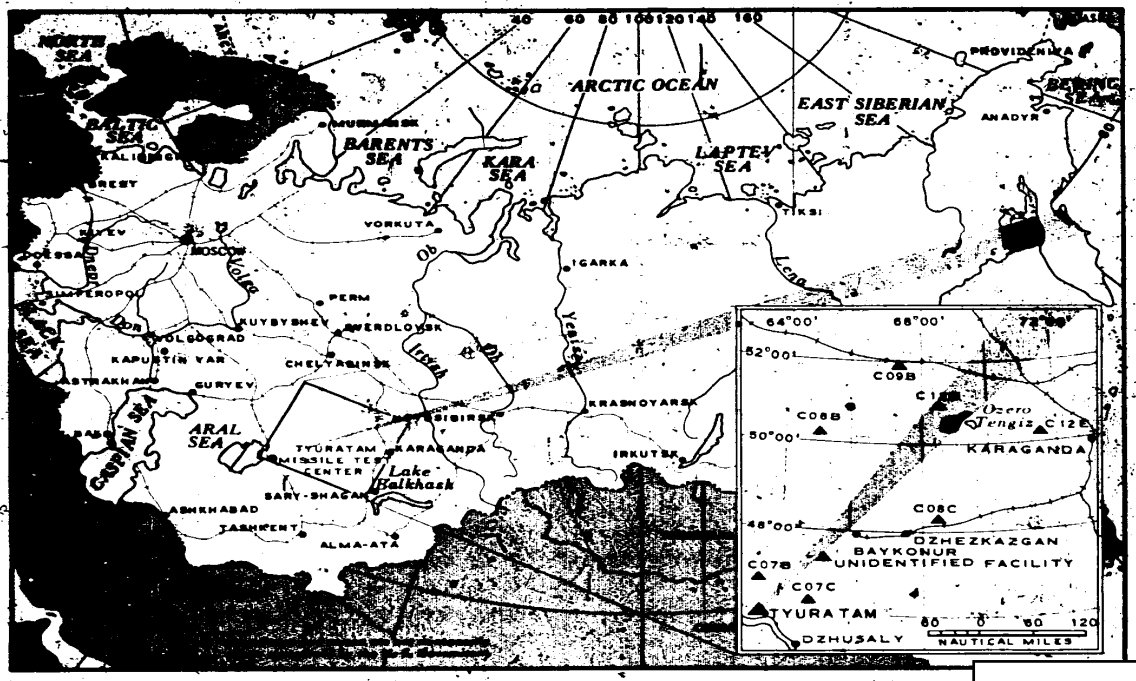


FIGURE 1. LOCATION OF TTMTR OUTSTATIONS.

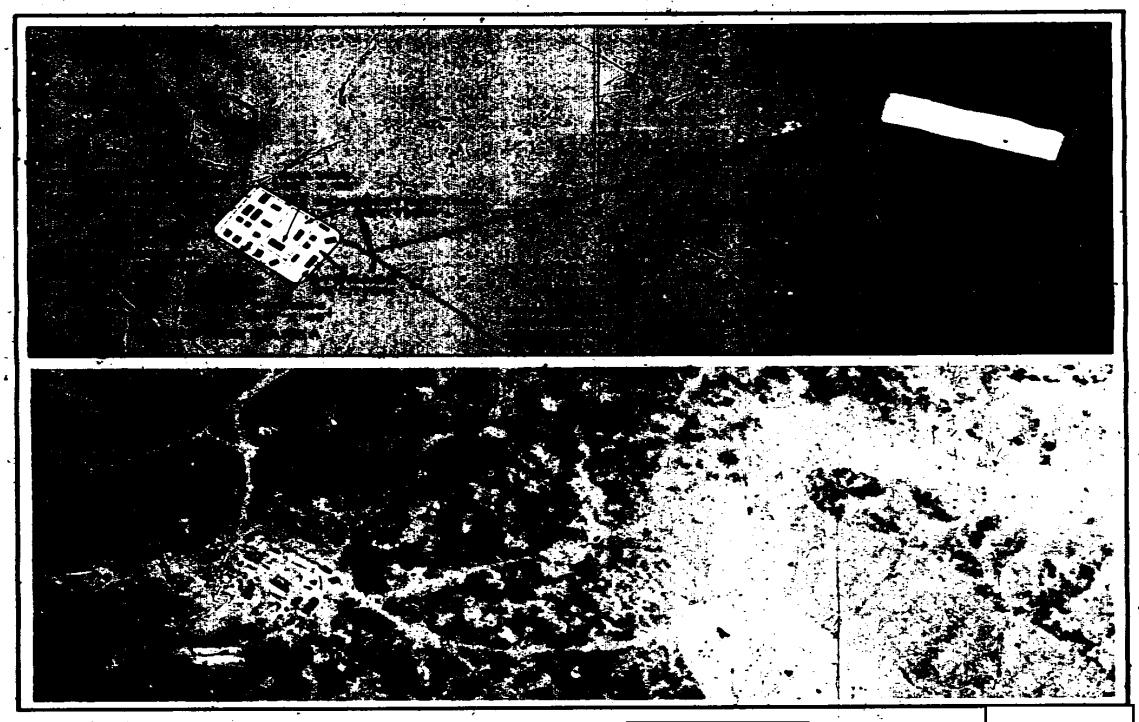


FIGURE 2. OUTSTATION C07B, [redacted] 25X1D 5X1!

area, and a natural-surface landing strip (Figure 2).

The instrumentation/communications area, which has been added [redacted] 1/ contains approximately five vehicles/vans and a 35- by 35-foot building. Tracks connect this area to the western corner of the support area, which is located 900 feet to the east. 25X1D

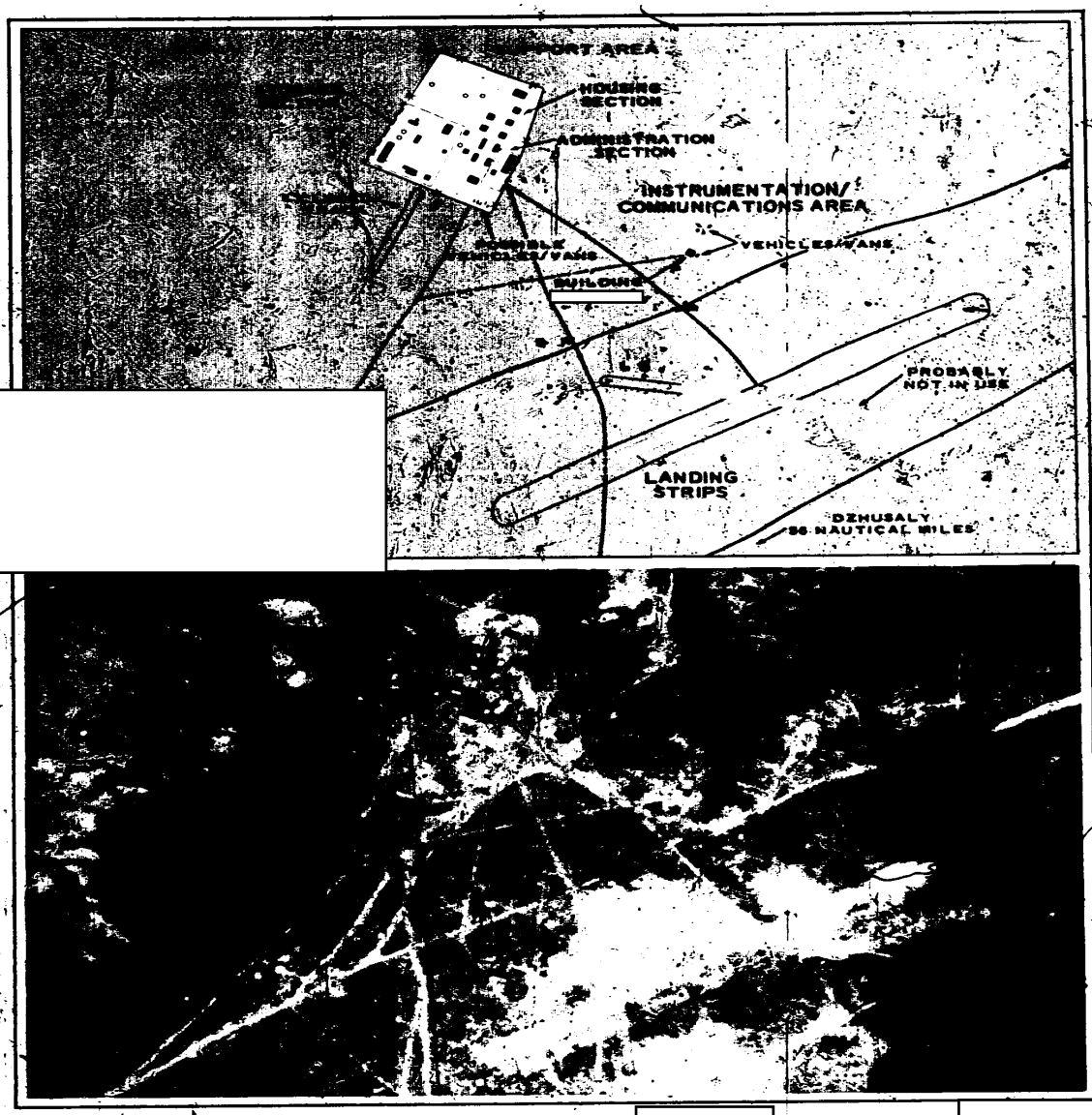
The fenced support area consists of a storage section with six buildings (the largest measuring 150 by 40 feet), an administration section with two buildings (the larger measuring 145 by 50 feet), and a housing section with 13 buildings.

The landing strip is located 0.9 nm to the east of the support area, is approximately 1,700 feet long, and is oriented in a nearly east-west direction.

Approximately seven new buildings were added to this facility between [redacted] coverage of [redacted] 1/ and [redacted] coverage of [redacted], but there has been no apparent further change through [redacted] 25X1D 25X1D 25X1D

OUTSTATION C07C

TTMTR Outstation C07C is located at 46-16N 64-48E, approximately 56 nm north-north-



LEGIB

[redacted]

FIGURE 3. OUTSTATION C07[redacted]

25X1D

east of Dzhusaly and 66 nm east-northeast of TTMTC Launch Complex A (Figure 1). It consists of an instrumentation/communications area, a support area, and two crossed natural-surface landing strips (Figure 3).

The instrumentation/communications area, new since 1957, 1/ contains five vehicles/vans and a 35- by 35-foot building. Tracks connect this area to the support area, the southeast boundary of which is located 1,460 feet to the northwest.

The fenced support area consists of a storage section with 7 buildings and 2 unidentified objects; an administration section with 2 buildings (the larger measuring 140 by 35 feet); and a housing section with 13 buildings, several unidentified objects, and 5 possible vehicles/vans. Immediately south-southwest of the support area is a closed, oval track of undetermined purpose.

The primary landing strip, located 2,600 feet south of the support area, measures 3,660 by 220 feet and is oriented in a northeast-southwest direction. A smaller landing strip, oriented west-northwest/east-southeast but probably not now used, crosses the larger one.

25X1D

There were extensive additions to this facility between 1957 [redacted] coverage 1/ and [redacted] photography of [redacted] but there has been no further apparent change through [redacted]

25X1D

OUTSTATION C08B

TTMTR Outstation C08B is located at 50-14N 65-10E, approximately 6 nm northwest of Amangeldy and 270 nm north-northeast of TTMTC Launch Complex A (Figure 1). It consists of an interferometer, an instrumentation/communications area, a support area, and a natural-surface landing strip (Figure 4).

The interferometer has a diameter of 920 feet and there are four instrumentation positions located at radial distances of 185 feet from a centrally located building.

The instrumentation/communications area, located approximately 1,900 feet north of the northwest fence of the support area, contains a 35- by 35-foot building and five vehicles/vans. In addition, 950 feet north of the support area is an unidentified pattern which consists of a crescent-shaped cleared area at the end of a probable wire-line trace.

The fenced support area, the southern corner of which is located 1,260 feet north-northeast of the interferometer site, consists of an administration/housing section and a storage/utility section. The former contains 16 buildings of varying size, and the latter consists of 13 buildings and 3 unidentified objects. There is a new 185- by 65-foot building of unknown function immediately northwest of the support area.

The landing strip is located 1,300 feet southeast of the support area and is oriented northeast-southwest. It measures 4,460 by 250 feet and is connected to the support area by a service road.

25X1

Comparison of [redacted] photography [redacted] no significant change except for the single new building previously mentioned. However, interpretation of part of the support area is limited by cloud shadow.

OUTSTATION C08C

TTMTR Outstation C08C is located at 48-10N 68-33E, 6 nm north of Terekty, 43 nm northeast of Dzhezkazgan, and approximately 255 nm northeast of TTMTC Launch Complex A (Figure 1). It consists of an interferometer circle, an instrumentation/communications area and a

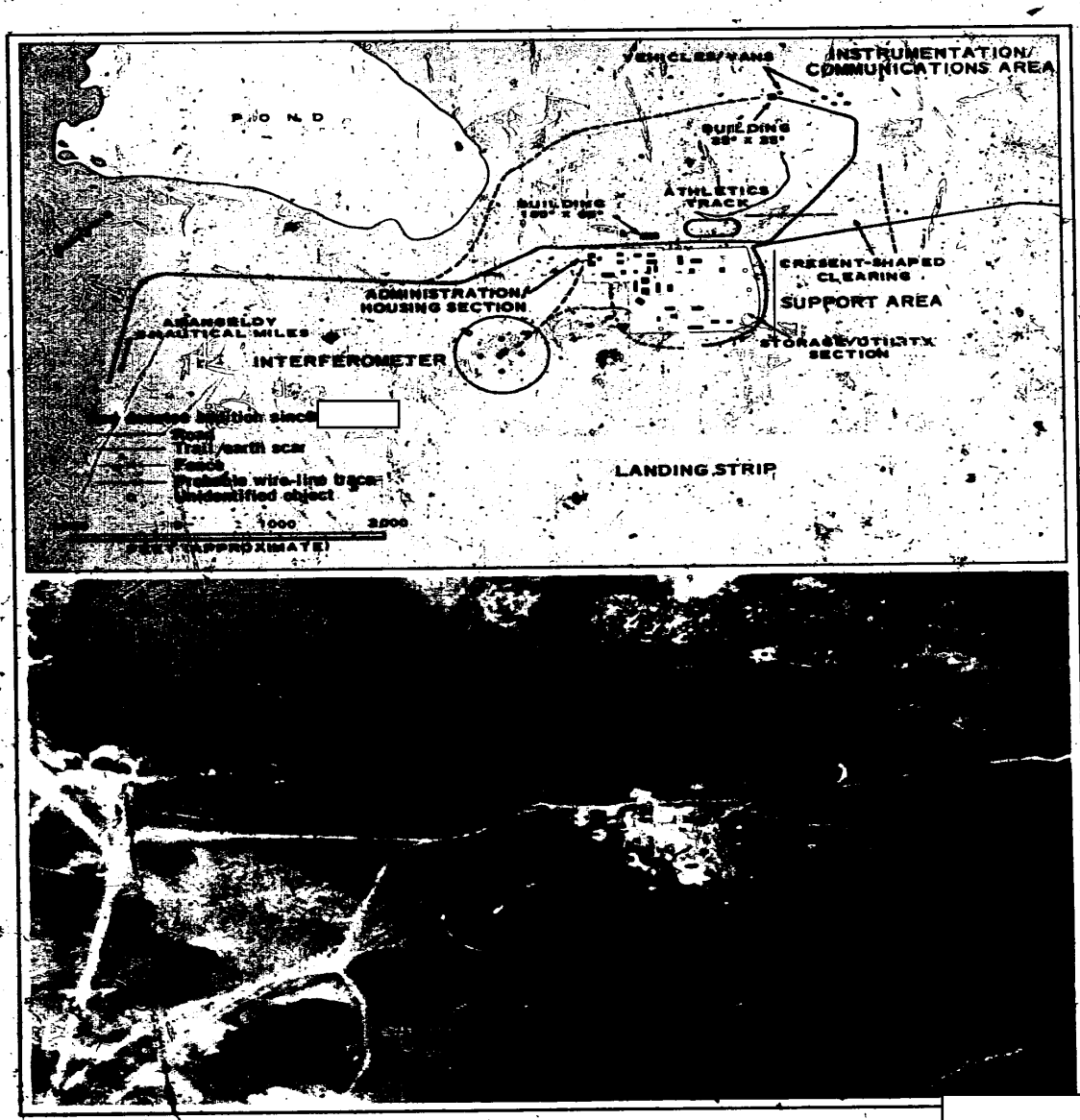
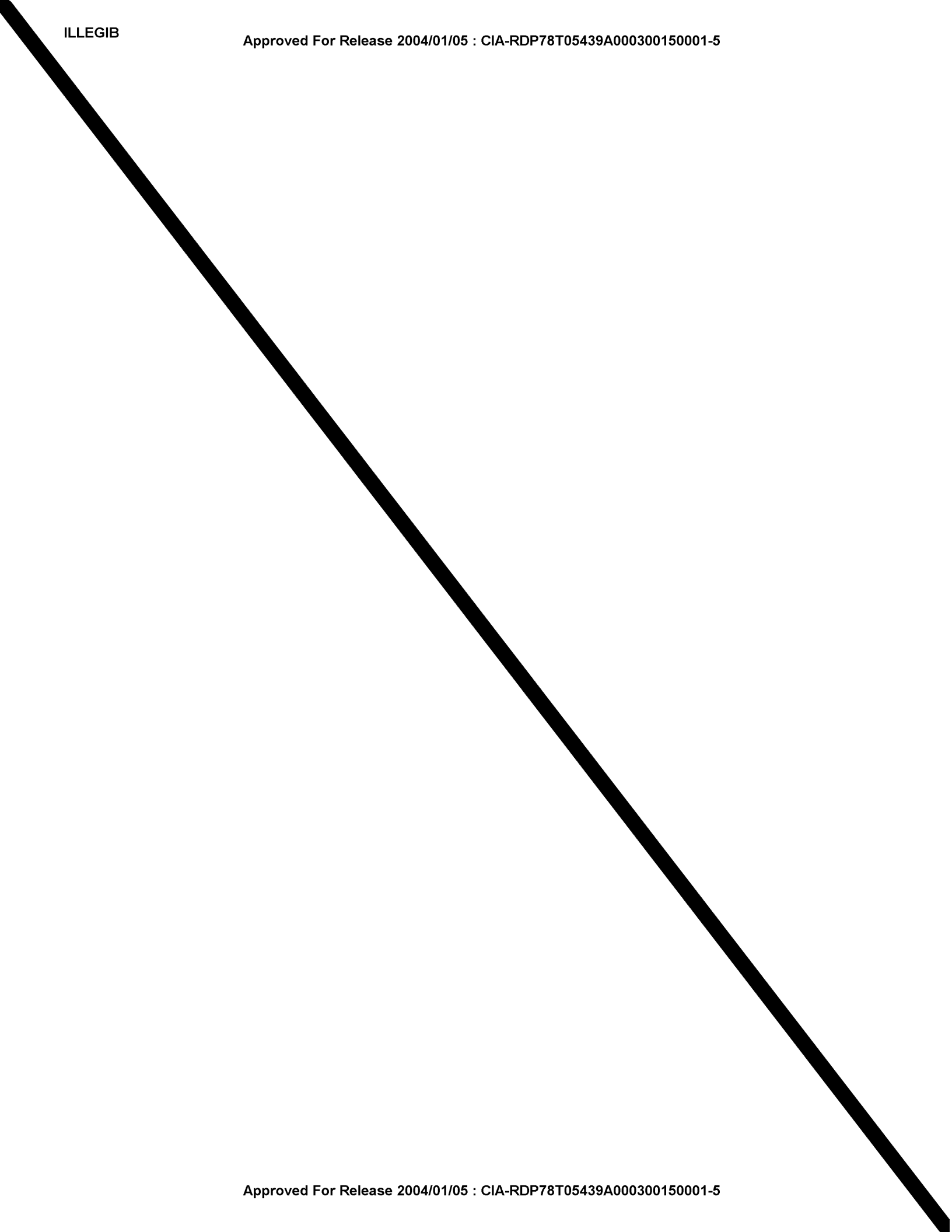


FIGURE 4. OUTSTATION C08B, [redacted] 25X1D



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second possible such area, a support area, and a natural-surface landing strip (Figure 5).

The center of the interferometer circle is located 1,520 feet northeast of the support area fence and consists of a cleared area 890 feet in diameter.

The instrumentation/communications area is located 1,860 feet due south of the support area and contains a building and four vehicles/vans. The possible second area contains a single building and is located 1,400 feet northwest of the western corner of the support area.

The support area appears to be doubly fenced and consists of an administration section, a housing section, and a storage/utility section. The administration section contains six buildings, the largest measuring 130 by 45 feet, and a probable athletics field. The housing section contains 7 buildings and the storage/utility section consists of 16 buildings, the two largest measuring 160 by 35 feet and 125 by 35 feet.

The landing strip is located 1.3 nm southwest of the support area, is oriented northwest-southeast, and measures 3,800 by 400 feet. Two aircraft were observed parked on the runway in [redacted]. There is also another, probably abandoned, landing strip. 25X1

Comparison of [redacted] photography of [redacted] revealed no apparent change in this facility. 25X1D

OUTSTATION C09B

TTMTR Outstation C09B (previously reported at 51-50N 67-54E 2/) is located at 51-53N 67-20E, approximately one nm southeast of Dzhaksy and 390 nm north-northeast of TTMTC Launch Complex A (Figure 1). It consists of an interferometer circle, a support area, and a landing strip (Figure 6).

The interferometer circle, a cleared area approximately 865 feet in diameter, is located immediately east of the support area. No instru-

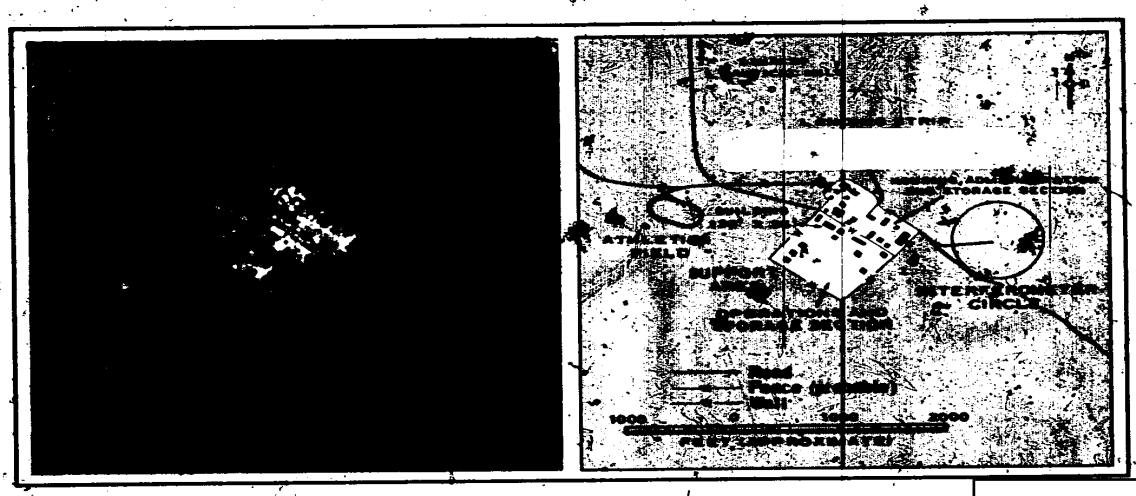

FIGURE 6. OUTSTATION C09B. [redacted] 25X1D [redacted]

mentation/communications area could be identified, nor could any other instrumentation be seen.

The support area is connected by service road to the interferometer circle and consists of a housing, administration, and storage section adjacent to a walled operations and storage section. The former consists of 18 buildings of varying size within a probable fenced enclosure. The operations and storage section contains approximately 11 buildings, the largest measuring 135 by 35 feet.

Immediately north of the housing section is a 2,810- by 450-foot natural-surface landing strip which is oriented in an east-west direction.

An athletics field is located 920 feet west-northwest of the northwest wall of the support area.

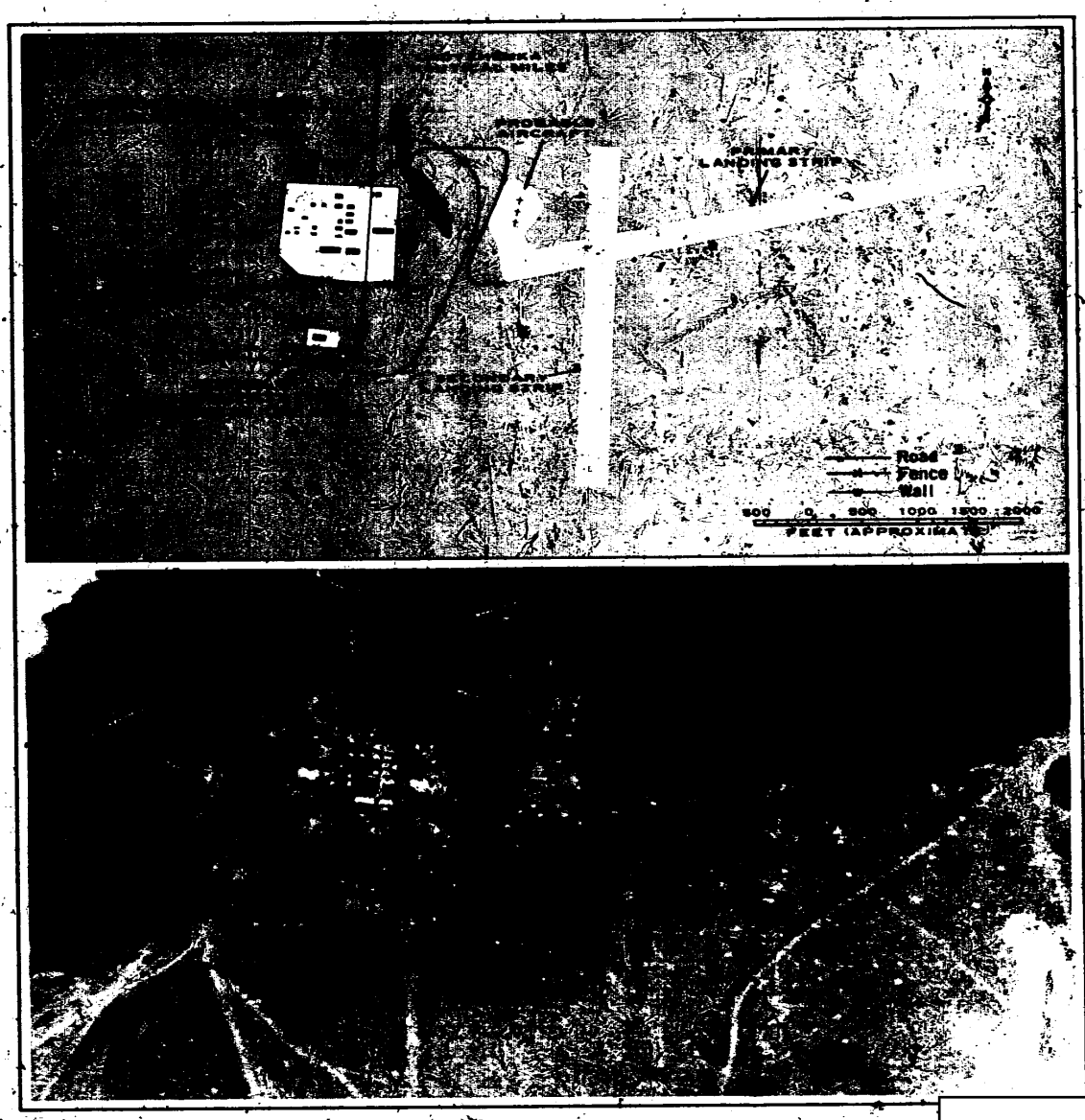

FIGURE 8.- OUTSTATION C12D. [redacted] 25X1D

road as well as extensive track activity, and an area of unidentified activity located 2.2 nm to the northeast.

The facility consists of a fenced support area of approximately 16 buildings of varying size, 5 of which have been added since [redacted] Eight buildings that were present on that date are not visible on later coverage. No instrumentation/communications sites were seen in the vicinity, but their possible presence cannot be precluded because of the poor quality and small scale of the photography, which also precludes determination of building type or size.

Located 3,450 feet northwest of the facility is a 4,300- by 170-foot graded-earth landing strip which is oriented northwest-southeast and

[redacted]

is connected to the support area by an improved road.

25X1D The area of unidentified activity, not present in [redacted] consists of a nearly rectangular 2,100- by 280-foot partially cleared area. A road and extensive track activity connect this area with the support area.

OUTSTATION C12D

TTMTR Outstation C12D (previously reported at 50-49N 68-41E 2/) is located at 50-59N 68-41E, immediately south of Ladyzhenka and 370 nm north-northeast of TTMTC Launch Complex A (Figure 1). It consists of a support and possible operations area, a possible instrumentation/communications area, and two crossed natural-surface landing strips (Figure 8).

The fenced support and possible operations area contains at least 22 buildings of varying size. The possible instrumentation/communications area is located just to the south and consists of a small fenced area, a probable building, and five vehicles/vans. Both areas are enclosed within an outer wall.

The two landing strips form an "X" just east of the support area and are oriented nearly east-west and north-south. The primary (east-west) strip measures 4,500 by 250 feet. Three probable aircraft were observed parked near the western end of this strip on [redacted] photography.

25X1D

This outstation was reported to have at least 15 buildings in [redacted], 2/ and therefore approximately 7 buildings had been added through [redacted] the latest coverage of the facility.

25X1D

25X1D

OUTSTATION C12E

TTMTR Outstation C12E is located at 50-17N 71-44E, 8 nm east-northeast of Kiyevka, 60 nm west-northwest of Karaganda, and 425 nm northeast of TTMTC Launch Complex A (Figure 1). It consists of a probable interferometer circle, a fenced support and possible operations area, a possible instrumentation/communications area, and a possible landing strip (Figure 9).

The probable interferometer circle is located immediately northeast of the support area and is approximately 900 feet in diameter; no instrumentation could be determined.

The support and possible operations area consists of about 15 buildings of varying size. It is connected by road and wire line to the possible instrumentation/communications area, located 4,600 feet to the southeast.

The possible natural-surface landing strip is located immediately north of the possible instrumentation/communications area, measures 3,300 by 250 feet, and is oriented nearly east-west.

Since [redacted] 4/ the only apparent change has been the addition of two buildings within the fenced support area.

25X1

25X1D

REFERENCES (Continued)

MAPS OR CHARTS

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ACIC. ONC F-6, 1st classified ed, Sep 61, scale 1:1,000,000 (CONFIDENTIAL)
AMS. ESPA-1, NL 41-5, Jun 62, scale 1:250,000 (TOP SECRET [redacted]
AMS. ESPA-1, NL 41-8, Jun 62, scale 1:250,000 (TOP SECRET [redacted]
AMS. ESPA-1, NM 42-11, Jun 62, scale 1:250,000 (TOP SECRET [redacted]

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1. HTA. JR-4/56, Missile Launching Complex and Test Range, Tyura Tam, USSR, Sep 58 (TOP SECRET [redacted]
2. NPIC. R-57/62, Near-Range Instrumentation Stations of the Tyura Tam Missile Test Range, USSR, Apr 62 (TOP SECRET [redacted]
3. NPIC. R-58/62, Soviet Field Station Point SP-2, Apr 62 (TOP SECRET [redacted]
4. NPIC. B-31/61, Probable Tyura Tam Outstation C09E/D, USSR, Oct 61 (TOP SECRET [redacted]

RELATED DOCUMENTS

25X1C

25X1C NPIC. R-1440/63, Tyura Tam Missile Test Center, USSR, Sep 63 (SECRET [redacted]

PIC. JB-18/59, Triangular Patterns of Instrumentation Sites, Tyura Tam Missile Test Range, Nov 59 (TOP SECRET [redacted]

REQUIREMENTS

[redacted]

NPIC PROJECT

J-37/63